



## Specifications

### Model Numbers:

- AV5105 - Color**
- AV5105-AI - Color Auto-Iris**
- AV5105DN - Day/Night**

### Imaging

- 5 megapixel CMOS image sensor
- 2592(H) x 1944(V) pixel array
- 1/2.5" optical format
- 2.2 µm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
  - Color: 0.3 Lux @ F1.4
  - Day/Night: 0 Lux, IR sensitive
- Dynamic range 70.1 dB
- Maximum SNR 44.1 dB

### Full Field of View (FOV) Resolutions

- 2592(H)x1944(V) 5 megapixel
- 1296(H)x968(V) 1/4 resolution

### Cropped Field of View Resolution

- 2560x1600 QWXGA
- 2048x1536 3MP
- 1920x1200 WUXGA
- 1920x1080 HDTV-1080p
- 1600x1200 2MP
- 1280x1024 1.3MP
- 1280x720 HDTV - 720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

### Data Transmission

- Video frame rate up to:
  - 9fps @ 2592x1944
  - 12fps @ 2560x1600
  - 15fps @ 2048x1536
  - 24fps @ 1600x1200
  - 30fps @ 1280x1024
- Compression type
  - H.264 (MPEG4, Part 10)
  - Motion JPEG
  - 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate
  - bit rate control from 100Kbps to 10Mbps
  - bit rate control available for full view, multi view, and archive
  - unthrottled data rate up to 55Mbps
- Multi-streaming: 4 non-identical streams

### Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 detection zones
- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image flip - 180 degree rotation
- Resolution windowing down to 32x32 pixels window
- Programmable shutter speed to help control motion blur
- MoonLight™ mode - extended exposure and proprietary noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

### Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12-48VDC and 24VAC
- Power consumption 5 Watts maximum
- Optional DC AI connection (AV5105 - AI)

### Regulatory Approvals

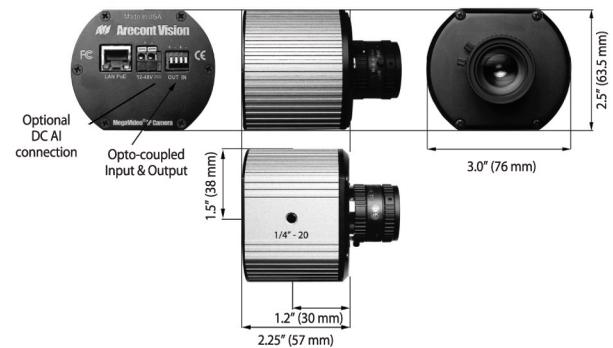
- FCC, CE and RoHS compliant

### Environmental

- Operating temperature 0°C (32 °F) to +50°C (122 °F)
- Storage temperature -20°C (-4 °F) to +60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

### Mechanical

- 3"W (76 mm) x 2.5"H (63.5 mm) x 2.25"D (57mm) (w/o lens)
- 8.6 oz (243 grams) (w/o lens)
- C/CS lens mount



### Housing Accessories:

- Dome 4-I - Indoor 4" Vandal Dome
- Dome 4-O - Outdoor 4" Vandal Dome
- Dome 5-I - Indoor 5" Recessed Dome
- HSG1-O-W - Outdoor Environmental Housing w/Heater/Blower

### Lenses:

- MPL4-10
- MPL8-16
- MPL4.0
- MPL6.0
- MPL8.0
- LENS4-13
- LENS4-10AI

\* Other megapixel lenses are also available with Arecont Vision's housing options.

